



SEQUENCE LISTING

# 4

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FORCE, WALKER F.  
TAKAHASHI, NOBUAKI  
MIKAYAMA, TOSHIFUMI

<120> ISOLATION AND CHARACTERIZATION OF HIGHLY ACTIVE ANTI-CD40  
ANTIBODY

<130> 021286/0272501

<140> 10/040,244

<141> 2001-10-26

<150> 60/200,601

<151> 2000-4-28

<150> PCT/US01/13672

<151> 2001-04-27

<150> 09/844,684

<151> 2001-04-27

<160> 17

<170> PatentIn Ver. 3.0

<210> 1

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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 1

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<210> 2

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 2

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41

<210> 3  
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 <400> 4  
 gttgaagctc tttgtgacgg gcgagc 26  
  
 <210> 5  
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 <400> 5  
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 <400> 6  
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<210> 7  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Primer

<400> 7  
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<210> 8  
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<220>  
 <223> Description of Artificial Sequence: Primer

<400> 8  
 aactccagat ctagggcaag cagtggtaac 30

<210> 9  
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<220>  
 <223> Description of Artificial Sequence: Primer

<400> 9  
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<210> 10  
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 <212> DNA  
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<400> 10  
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 agttcagcct ggggggtccc tgagactctc ctgtgcagtc tctggattca ccttcagtac 180  
 ctactggatg cactgggtcc gccaaagctcc aggggaagggg ctggtgtggg tctcacgtat 240  
 taatagtgat gggagtagca caacctacgc ggactccgtg aagggccgat tcaccatctc 300  
 cagagacaac gccaaagaaca cgctgtatct gcaaataaac agtctgagag ccgaggacac 360  
 ggctgtgtat tactgtgcaa gagatagagt actatggatc ggggagttat cctactacgg 420  
 tatggacgtc tggggccaag ggaccacggt caccgtctcc tcagctagca ccaagggccc 480  
 atcggctctc cccctggcac cctcctccaa gagcacctct 520

<210> 11  
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 <212> DNA  
 <213> Homo sapiens

<400> 11  
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 acagtctaag agttattcgt ggacgttcgg ccacgggacc aagggtggaa tcaaacgtac 420  
 ggtggctgca ccatctgtct tcctcttccc gccatctgat gaggagttga aatctggaac 480  
 tgcctctgtt gtgtgctgc tgaataactt ctatcccaga gaggccaaag tacagtggaa 540  
 ggtggataac gccctccaat cgggtaactc ccaggagagt gtcacagagc aggacagcaa 600  
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 caaagtctac gcctgcgaag tcacccatca gggcctga 698

<210> 12  
 <211> 580  
 <212> DNA  
 <213> Homo sapiens

<400> 12  
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 ggtacagcct ggggggtccc tgagactctc ctgtgcagcc tctggattcg cctttagcag 180  
 ctatgccatg agctgggtcc gccaggctcc aggggaagggg ctggagtggg tctcagctat 240  
 tagtggtagt ggtggtagca catactacgc agactccgtg aagggccggg tcacatctc 300  
 cagagacaat tccaagaaca cgctgtatct gcaaatgaac agcctgagag ccgaggacac 360  
 ggccgtatat tactgtgcca aagatggggg gtactatggt tcggggagtt atgggtactt 420  
 tgactactgg ggccagggaa cctgggtcac cgtctcctca gctagacca agggcccatc 480  
 ggtcttcccc ctggcaccct cctccaagag cacctctggg ggcacagcgg ccctgggctg 540  
 cctgggtcaag gactacttcc ccgaaccggg gacgggtgctg 580

<210> 13  
 <211> 716  
 <212> DNA  
 <213> Homo sapiens

<400> 13  
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 ccccgctcag ctctgggggc tcctgctgct ctgggtccca ggttcagat gcgacatcca 120  
 gatgacccag tctccatctt ccgtgtctgc atctgcagga gacagagtca ccatcacttg 180  
 tcgggagagt cagggtatta gcagctggtt agcctggtat caacagaaac cagggaaagc 240  
 ccctaagctc ctgatctatg ctggatccag tttgcaaagt ggggtcccat caaggttcag 300  
 cggcagtgga tttgggacag atttcaactc caccatcggc agcctgcagc ctgaagattt 360  
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 ggtggagatc aaacgtacgg tggctgcacc atctgtcttc atcttcccgc catctgatga 480  
 gcagttgaaa tctggaactg cctctgttgt gtgcctgctg aataacttct atcccagaga 540  
 ggccaaagta cagtggaaag tggataacgc cctccaatcg ggtaactccc aggagagtgt 600  
 cacagagcag gacagcaagg acagcaccta cagcctcagc agcaccctga cgctgagcaa 660

agcagactac gagaaacaca aagtctacgc ctgcgaagtc acccatcagg gcctga 716

<210> 14  
 <211> 630  
 <212> DNA  
 <213> Homo sapiens

<400> 14  
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 ccgtcgacgg tgatcaggac tgaacagaga gaactcacca tggagtttgg gctgagctgg 120  
 ctttttcttg tggctatattt aaaaggtgtc cagtgtgagg tgcagctgtt ggagctctggg 180  
 ggaggcttgg tacagcctgg ggggtccctg agactctcct gtgcagcctc tggattcacc 240  
 ttttagcagct atgccatgag ctgggtccgc caggctccag ggaaggggct ggagtggttc 300  
 tcagctatta gtggtagtgg tggtagcaca tactacgcag actccgtgaa gggccgggtc 360  
 accatctcca gagacaattc caagaacacg ctgtatctgc aaatgaacag cctgagagcc 420  
 gaggacacgg ccgtatatta ctgtgcgaaa gatggggggg actatgggtc ggggagttat 480  
 ggggtactttg actactgggg ccagggaacc ctggtcaccg tctcctcagc tagcaccaag 540  
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 ctgggctgcc tgggtcaagga ctacttcccc 630

<210> 15  
 <211> 728  
 <212> DNA  
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<400> 15  
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 atgcgacatc cagatgaccc agtctccatc ttccgtgtct ggatctgtag gagacagagt 180  
 caccatcact tgcggggcga gtcagggtat tagcagctgg ttagcctggt atcagcagaa 240  
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 gcctgaagat tttgcaactt actattgtca acaggctagc agtttccctc ggacattcgg 420  
 ccaagggacc aagggtggaga tcaaacgtac ggtggctgca ccatctgtct tcatcttccc 480  
 gccatctgat gagcagttga aatctggaac tgctctgtt gtgtgcctgc tgaataactt 540  
 ctatcccaga gaggcctaaag tacagtggaa ggtggataac gccctccaat cgggtaactc 600  
 ccaggagagt gtcacagagc aggacagcaa ggacagcacc tacagcctca gcagcaccct 660  
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 gggcctga 728

<210> 16  
 <211> 124  
 <212> PRT  
 <213> Homo sapiens

<400> 16

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			20					25					30		
Ala	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
		35					40						45		

Ser	Ala	Ile	Ser	Gly	Ser	Gly	Gly	Ser	Thr	Tyr	Tyr	Ala	Asp	Ser	Val
50						55					60				
Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asn	Ser	Lys	Asn	Thr	Leu	Tyr
65					70				75						80
Leu	Gln	Met	Asn	Ser	Leu	Arg	Ala	Glu	Asp	Thr	Ala	Val	Tyr	Tyr	Cys
			85					90						95	
Ala	Lys	Asp	Gly	Gly	Tyr	Tyr	Gly	Ser	Gly	Ser	Tyr	Gly	Tyr	Phe	Asp
			100				105						110		
Tyr	Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser				
		115					120								

<210> 17  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<400> 17

Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	Ser	Val	Ser	Gly	Ser	Val	Gly
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			20					25					30		
Leu	Ala	Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Lys	Ala	Pro	Lys	Leu	Leu	Ile
			35				40					45			
Tyr	Ala	Gly	Ser	Ser	Leu	Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly
		50				55					60				
Ser	Gly	Phe	Gly	Thr	Asp	Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro
65					70					75					80
Glu	Asp	Phe	Ala	Thr	Tyr	Tyr	Cys	Gln	Gln	Ala	Ser	Ser	Phe	Pro	Arg
				85				90						95	
Thr	Phe	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys						
			100					105							